Program Executive Office
C4I and Space

Statement A: Approved for Public Release;

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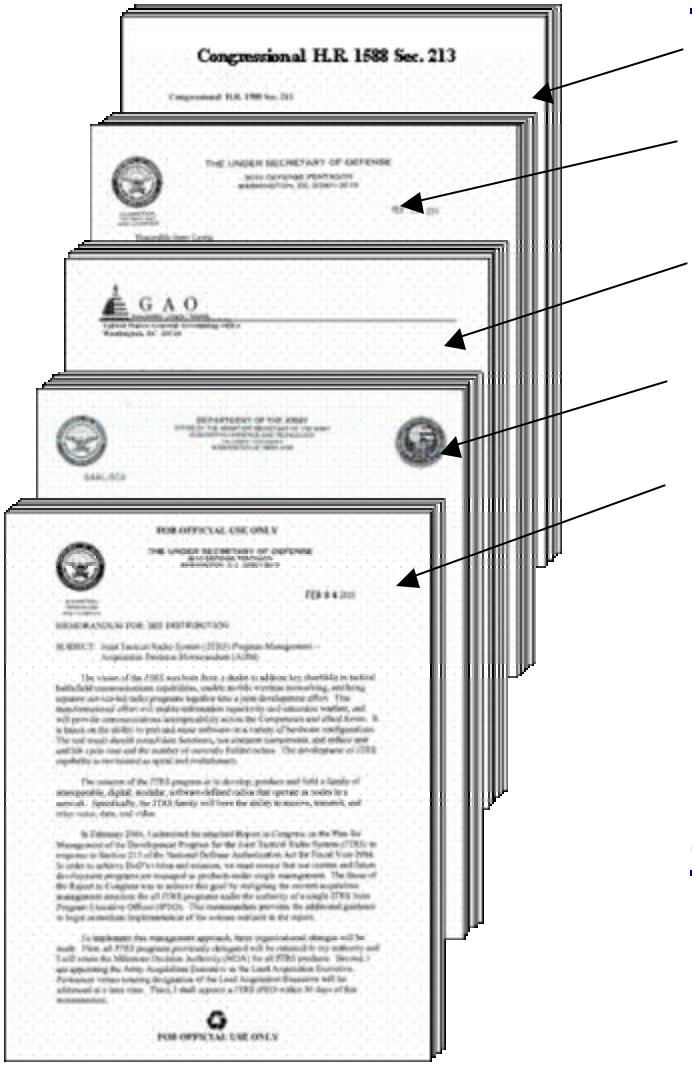
Outline

- JPEO JTRS Update
  - JPEO Establishment drivers
  - 4 Feb JTRS ADM
  - Recent Events
  - Reporting Relationships
  - Program Priorities & Near-term Way Ahead
- PEO C4I and Space Update
  - C4I Integrated Roadmap
  - LSI status
  - C4I EXCOMM
  - Acquisition update

JPEO JTRS Update

JPEO Establishment Drivers



Sources

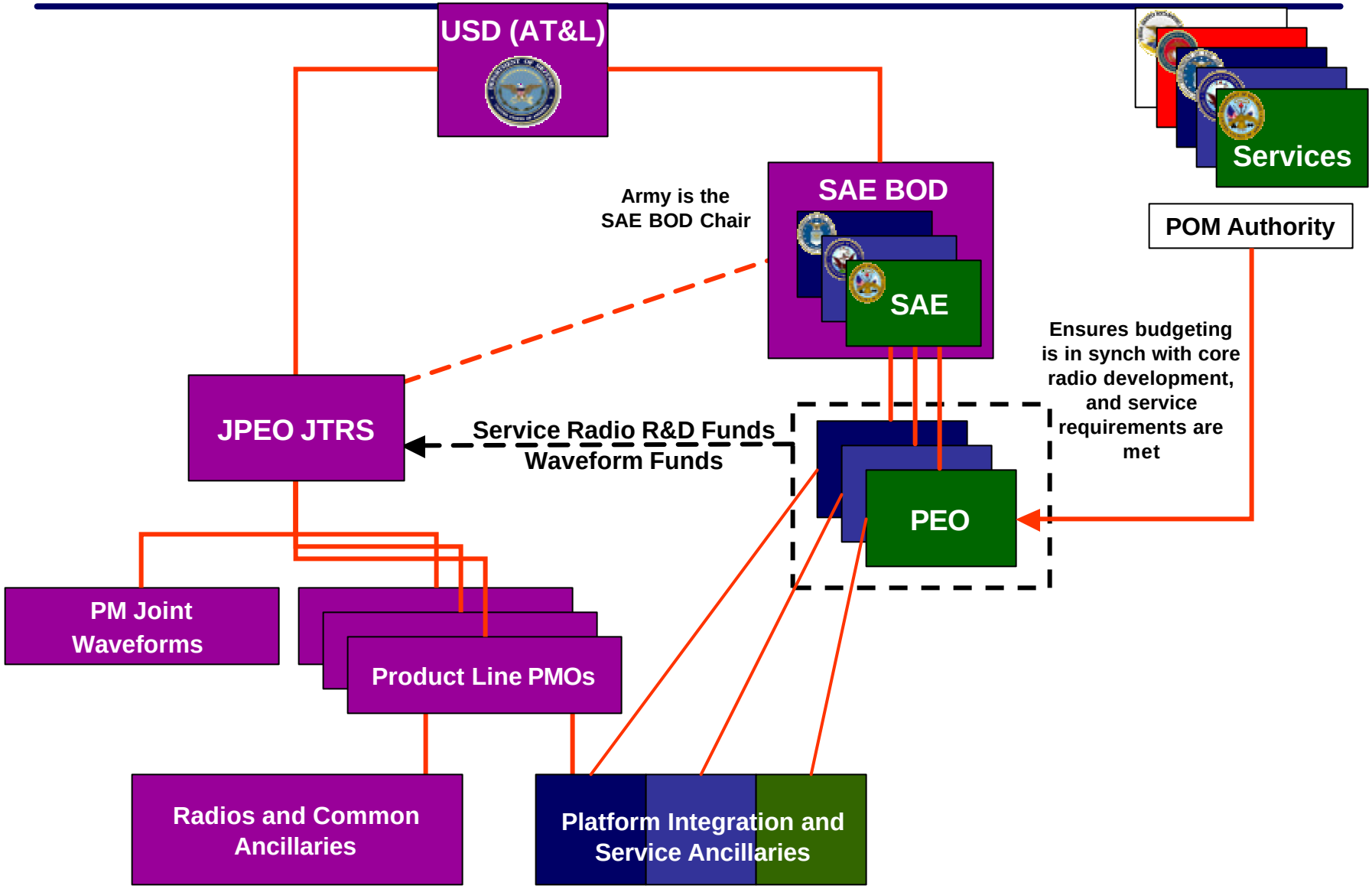
- H.R. 1588 Section 213 of the National Defense Authorization Act for Fiscal Year 2004
- Report on the plan for implementation of management of the development program for Joint Tactical Radio System, 24 February 2004
- GAO-03-879R Joint Tactical Radio System Program - Challenges and risks with the JTRS program, 08 August 2003
- Response to GAO draft report "Challenges and risks associated with the JTRS Program"
- Acquisition Decision Memorandum (ADM), "Joint Tactical Radio System (JTRS) Program Management," 04 February 2005

Core Findings Need to:

- "Strengthen joint management structure …"
- "Ensure that the key enablers … are adequately addressed"

JPEO JTRS Update

JTRS Reporting Relationships



JPEO JTRS Update

4 Feb 05 JTRS ADM

- Realign all JTRS Programs under a single JPEO - Organizational Changes:
  - USD (AT&L) retained Milestone Decision Authority (MDA) for all JTRS Products
  - Army Acquisition Executive (AE) assigned as Lead AE
  - Appoint a JTRS JPEO
- ADM Deliverables:
  - Assessment of Clusters (starting with Cluster 1)
  - Organizational Assessment
  - PM Rating Scheme
  - Resource Authorities (USD Comptroller lead)
  - JPEO Charter (ASD NII lead)

JPEO JTRS Update

Recent Events

- Cluster 1
  - Program Review – week of 21 March 2005
  - JPEO Assessment – March-April 2005
  - Indefinite postponement of EOA
    - Current capabilities demo 15 April/22 April 2005
- PM Waveforms
  - Program Review – week of 28 March 2005
- Cluster 5
  - Program Review – week of 11 April 2005
  - Partial Stop Work for Spiral 1
- Status brief to USD AT&L – 6 May 2005

JPEO JTRS Update

Near-term Way Ahead

- Evaluate Remaining Clusters this summer
  - Health of each Cluster
  - JTRS Program and Cluster Structure and overall acquisition strategy
- Develop overarching strategies in the following areas:
  - Acquisition
  - Contracting
  - Waveform
  - Requirements
  - Systems Engineering
  - Networking Waveforms
- Support Service-specific experimentation needs near term (e.g. JFEX 06, FCS demos)
- Replan developments accordingly

JPEO JTRS Update

JTRS Program Priorities

- Return programs to executability through proper:
  - Discipline in requirements, resourcing, and acquisition
  - Risk management
    - Technical
    - Cost
    - Schedule
- Establish an open JTRS technology base to promote:
  - Interoperability
  - Affordability (e.g., reuse, portability, etc.)
  - Speed to capability
- Develop / deliver net-centric capabilities (e.g., IP, mobile ad-hoc networking) to the warfighter
  - "Develop" – IAW common understanding of prioritized requirements (vetted through JCS/J-6 process)
  - "Deliver" – Increments of increased capability

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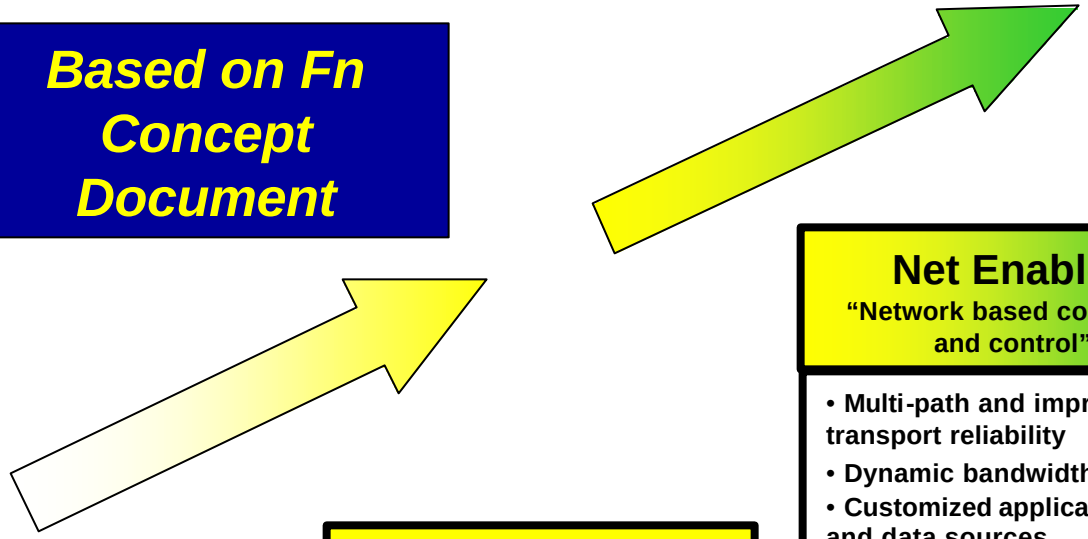
PEO C4I and Space Update

C4I Integrated Roadmap

Based on Fn Concept Document



Full IT21
"Online"

- IP Reach Back
- Local Area Networks
- Wideband Receive
- RF Management
- Survivable comms

Level 0

Today

Net Connected
"Improved decision making"

- Web-based services
- Improved network reliability and performance
- Increased bandwidth
- Improved coalition operations and data sharing
- Tailorable situational awareness tools
- Standardized data exchange between domains
- Defense in depth

Level 1

FY07

Net Enabled
"Network based command and control"

- Multi-path and improved transport reliability
- Dynamic bandwidth mgmt
- Customized applications and data sources
- Common infrastructure and data exchange standards
- Improved data exchange across domains
- Enterprise management for asset analysis and repair
- Initial knowledge management and automated decision aids
- Assured sharing
- Distributed command and control operations
- Modular and open architecture

Level 2

FY10

Fully Net Ready
"Decision-making under undesirable conditions"

- Robust, reliable communication to all nodes
- Reliable, accurate and timely information on friendly, environmental, neutral and hostile units
- Storage and retrieval of authoritative data sources
- Robust knowledge management capability with direct access ability to raw data
- User-defined and shareable SA
- Distributed and collaborative command and control
- Automated decision aids to enhance decision making
- Information assurance
- Seamless cross-domain access and data exchange.
- Interoperability across all domains and agencies
- Autonomous and disconnected operations
- Automatic and adaptive diagnostic and repair
- Modular architecture to expedite new capabilities

Level 3

FY14

PEO C4I and Space Update

Lead Systems Integrator (LSI) Objectives

- Build a Plan – and Compete It
  - Integral use of documentation to define and manage each program
  - Up-to-date acquisition strategy
  - Best value through use of competition and incentives
- Product Integration
  - Focus on delivery of “capabilities”
  - Drive efficiencies across product lines by seeking areas of commonality
- Integrated C4I Platforms
  - Enable delivery of integrated C4ISR solutions for “platforms,” to include FMP and SCN

Government steers the solution;
Industry builds it

PEO C4I and Space Update

LSI Current Status and Way Ahead

- Initiate LSI Deep Dive study (underway):
  - Baseline FY04 spend plan
    - Determine potential to implement LSI in current/subsequent acquisitions
  - Collect program-specific data and identify/map GWBS inconsistencies
  - Correlate the rationalization of PEO GWBS funding with Echelon III obligations and expenditures
- Compete the obvious/quick-win opportunities that are low-risk/high-gain
- Continue with some study contracts to determine incentive strategies/contract strategies for other more difficult items

PEO C4I and Space Update

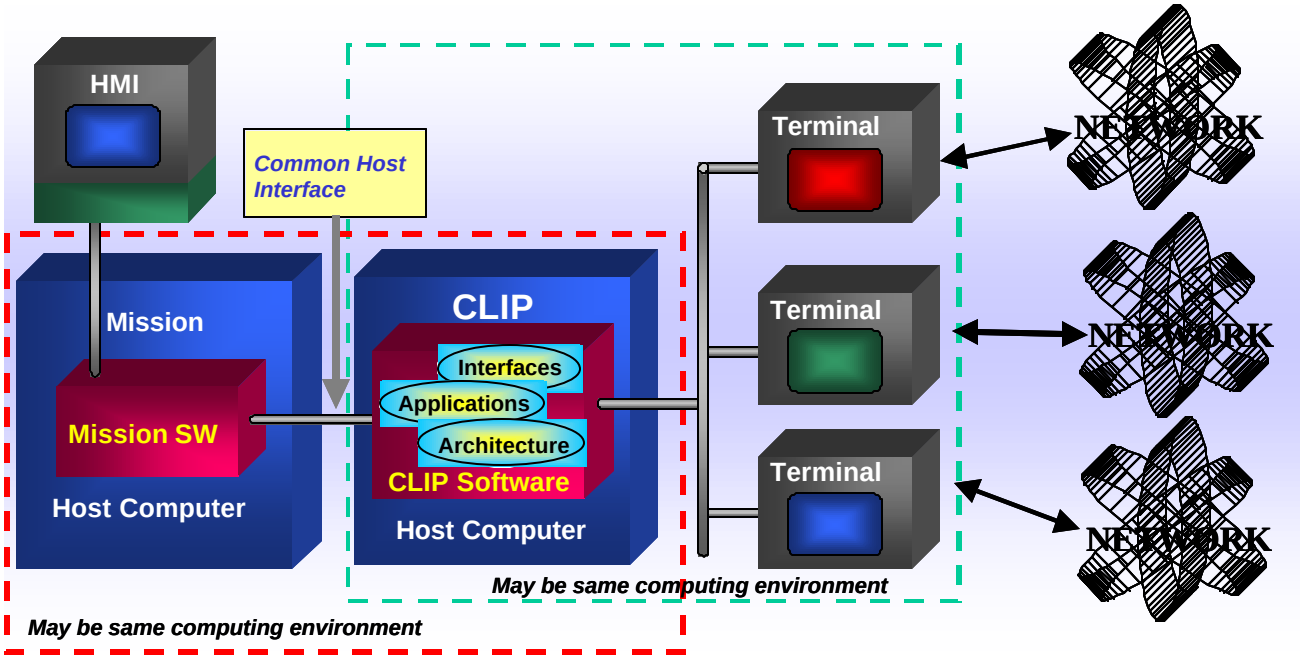
C4I EXCOMM

- EXCOMM Discussion Topics:
  - C4I Capabilities on New Construction Platforms
  - C4I and SHIPMAIN
  - Common Submarine Radio Room (CSRR) – lessons learned from USS VIRGINIA
- Date: 12 July (DC)
- Participates: Major C4I stakeholders (OPNAV, PEOs, NNWC, SYSCOMs)

PEO C4I and Space Update

Common Link Integration Processing (CLIP)

- Collaborative USN/USAF program to develop common Tactical Data Link Message Processing Software
- CLIP will run in both JTRS Software Communication Architecture and Navy Open Architecture Environment



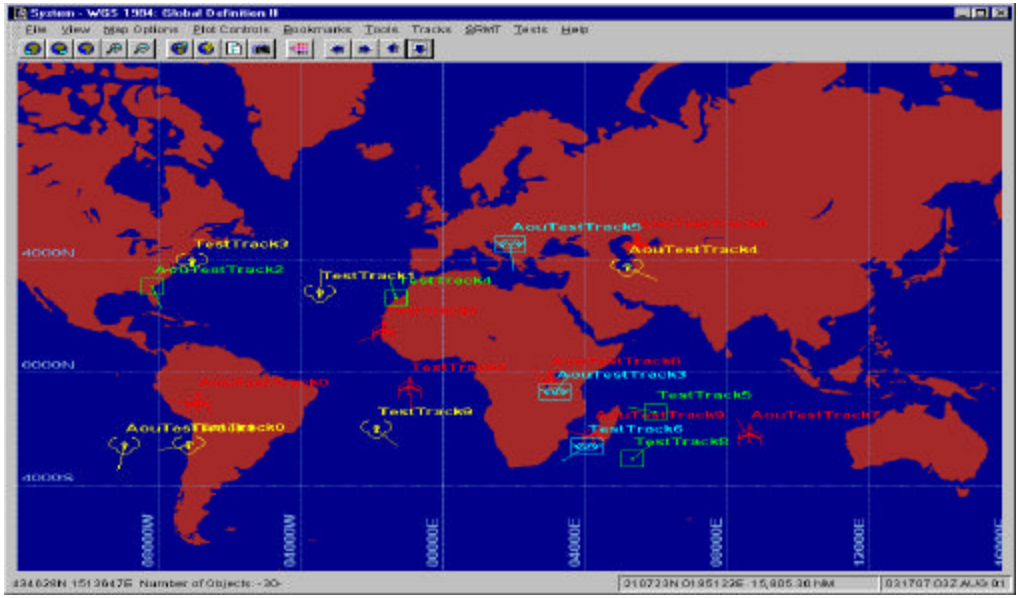
- ✓ Improves interoperability through common implementation
- ✓ Reduction in TDL messaging life cycle costs
- ✓ Facilitates new Network & Communications capabilities
- ✓ Can be used on C2 & non-C2 ship, air, and shore platforms
- ✓ FORCEnet Enabler

CLIP links legacy TDL and future IP-based comms for multiple platforms

PEO C4I and Space Update

Global Command and Control System – Maritime

- GCCS-M is the United States Navy's principal Command and Control (C2) capability component of DoD's GCCS Family of Systems. GCCS-M is a single, integrated, scaleable C4I system that receives, displays, correlates, fuses and maintains geo-locational track information on friendly, hostile, and neutral land, sea and air forces and integrates it with available intelligence and environmental information.



- ✓ Open architecture design; built on Joint Technical Architecture and shipboard networks
- ✓ Consists of over 270 separate applications
- ✓ Multi-source data fusion includes analysis & decision-making tools
- ✓ COP Synch Tools allow near real-time picture to the Battle Group
- ✓ Web access to important data
- ✓ User friendly PC workstations
- ✓ Embedded training and performance support
- ✓ Increased Joint Interoperability
- ✓ FORCEnet Enabler

GCCS-M 4.0 empowers Sailors and Marines at all levels to execute more effective decision-making at an increased tempo